

Claims:

1. The use of a therapeutic protein having SH-groups which are nitrosated, and of a compound containing thiol groups and having an average molecular weight of at most 10.000 for the manufacture of a pharmaceutical combined preparation for the treatment of ischaemia and reperfusion injury, shock, in particular traumatic, hypovolaemic and haemorrhagic shock, respectively, or neurogenic shock, thrombotic conditions, respiratory tract diseases, erectile dysfunctions in men and hypertension.
2. The use according to claim 1, characterized in that at least 90% of the present SH-groups are nitrosated.
3. The use according to any of claims 1 or 2, characterized in that S-nitroso albumin, S-nitroso orosomucoid, S-nitroso plasminogen activator, S-nitroso fibrinogen, S-nitroso Lys-plasminogen or S-nitroso haemoglobin is contained as the therapeutic protein having nitrosated SH-groups.
4. The use according to any of claims 1 or 2, characterized in that reduced glutathione, L-cysteine, N-acetyl cysteine, L-cysteinyl glycine, γ -glutamyl cysteine, penicillamine, penicillamide, N-acetyl penicillamine, N-acetyl penicillamide, homocysteine, captoril, dihydrolipoic acid and/or the oxidized form thereof, which, after administration, is reduced in vivo, is/are contained as the compound containing thiol groups.
5. The use according to any of claims 3 or 4, characterized in that S-nitroso albumin is contained as the therapeutic protein having nitrosated SH-groups, and reduced glutathione is contained as the compound containing thiol groups.
6. The use according to claim 4, characterized in that a compound occurring in human blood and tissue, in particular reduced glutathione, L-cysteine, L-cysteinyl glycine, γ -glutamyl cysteine or dihydrolipoic acid, is contained as the compound containing thiol groups.

7. The use according to any of claims 1 to 6, characterized in that a therapeutic protein obtained by nitrosation is contained in which the degree of nitrosation is made up of S-nitrosation by at least 90% and of N,O,C-nitrosation by at most 10%.